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CNVCLIFRM - CONVERT COMMAND INPUT FORMS TYPE 15-SEP-1984 23:38:19 VAX/VMS Macro V04-00 Page 0

(2) 49 DECLARATIONS
(3) 78 CONVERT CLI FORMS AND CHARACTERISTICS

.TITLE CNVCLIFRM - CONVERT COMMAND INPUT FORMS TYPE

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FACILITY: CLI UTILITIES

ABSTRACT: THIS ROUTINE CONVERTS A FORMS/CHARACTERISTIC TYPE INTO A BINARY VALUE.

ENVIRONMENT: NATIVE MODE, NON-PRIVILEGED

ALTHOR: STEVE BECKHARDT, CREATION DATE: 13-FEB-78

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VO3 GWF0107 GARY FOWLER 21-SEP-1981 Change logical name used in opening files to SYS\$MANAGER

VO2 LMK0001 LEN KAWELL 15-FEB-1980 ADD DE-QUEUE CHARACTERISTICS CONVERSION.

CNVCL I FRM VO4-000	- CONVERT COMMAND INPUT FORMS TYPE DECLARATIONS	15-SEP-1984 23:38:19 VAX/VMS Macro V04-00 Page 2 4-SEP-1984 23:15:15 [CLIUTL.SRC]CNVCLIFRM.MAR;1 (2)
00	0000	
52 45 47 41 4E 41 4D 24 53 59 44 2E 45 50 59 54 53 4D 52 4F	73 FFILNAM: .ASCIC /SYS\$M/ 46 3A 000C 54 41 0018	ANAGER: FORMSTYPE.DAT/ ; FILE NAME OF FORMS DEFINITION FILE
52 45 47 41 4E 41 4D 24 53 59 41 44 2E 45 50 59 54 52 41 48	19 0000	ANAGER: CHARTYPE.DAT/ ; FILE NAME OF CHARACTERISTICS DEFIN

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- CONVERT COMMAND INPUT FORMS TYPE CONVERT CLI FORMS AND CHARACTERISTICS
                                                                5
                                                                           15-SEP-1984 23:38:19 VAX/VMS Macro V04-00
4-SEP-1984 23:15:15 [CLIUTL.SRCJCNVCLIFRM.MAR;1
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.SBTTL CONVERT CLI FORMS AND CHARACTERISTICS FUNCTIONAL DESCRIPTION: THESE ROUTINES ARE CALLED TO CONVERT THE FORMS/CHARACTERISTICS ENTERED ON A COMMAND INTO A BINARY BYTE VALUE.
THIS WILL CONVERT EITHER A NUMBER DIRECTLY, OR A ALPHANUMERIC NAME. ALPHANUMERIC FORMS NAMES ARE STORED IN FILE "SYS\$MANAGER:FORMSTYPE.DAT" AND CHARACTERISTICS NAMES ARE STORED IN "SYS\$MANAGER:CHARTYPE.DAT.
FORMS/CHARACTERISTICS DEFINITIONS IN THE FILE MUST BE IN THE FOLLOWING FORMAT: TYPE NUMBER
THE PERCENT SIGN MUST BE THE FIRST CHARACTER IN THE RECORD. CALLING SEQUENCE: VIA "CALL" INSTRUCTION INPUT PARAMETERS: 4(AP) IS THE ADDRESS OF A QUAD WORD DESCRIPTOR FOR THE TYPE CODE 8(AP) IS THE ADDRESS OF BYTE TO STORE RESULT(OPTION) IMPLICIT INPUTS: NONE **OUTPUT PARAMETERS:** THE CONVERTED FORMS/CHAR TYPE IS RETURNED IN R1 AND AT THE LOCATION SPECIFIED IF THE CALL ARGUMENT LIST HAD MORE THAN ONE ARGUMENT. IMPLICIT OUTPUTS: CONVERTED VALUE IN R1 COMPLETION CODES: RO IS SET TRUE OR FALSE DEPENDING UPON SUCCESS OR FAILURE OF CONVERSION SIDE EFFECTS: NONE

PURE_SECTION PURE_CLIUTL

LIB\$CNVCLIFORMS:: CONVERT FORMS TYPE M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
FFILNAM,R6
CONVERT .WORD : SET ADDRESS OF FORMS FILE M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>
CFILNAM,R6; SET ADDRESS OF CHAR FILENAME LIBSCNVCLIQCHAR:: .WORD

(3)

CNVCLIFRM V04-000		col	CONVERT COMMAND	INPUT FORMS TYPE 15-SEP-1984 23:38:19 VAX/VMS Macro VO4-00 Page AND CHARACTERISTICS 4-SEP-1984 23:15:15 [CLIUTL.SRC]CNVCLIFRM.MAR;1
64	53 00 6B	E0 1: 5A 2: 50 B:	3 00CE 192 0 00D0 193 5 00D6 194	BEQL 20\$; NULL TOKEN; GET NEXT LINE CMPC5 R10,(R11),#0,R3,(R4) ; IT IS CONSIDERED A MATCH IF THE INPUT SYMBOL IS AN INITIAL SUBSTRING OF THE TOKEN (R0=0)
		D6 12	2 0008 196	BNEQ 20\$; NO MATCH; GET NEXT LINE
	FF	23° 30	00DA 197 00DA 198 0 00DA 199 3 00DD 200 00DF 201	; HAVE A MATCH. R6 POINTS TO NEXT TOKEN (HOPEFULLY VALUE) BSBW CHR\$GETOKEN BEQL 70\$; NULL TOKEN> ERROR
	7E	53 71	00DF 202 D 00DF 203	HAVE TOKEN. SET UP TO CALL ROUTINE TO CONVERT TO BINARY PUT TOKEN DESCRIPTOR ON STACK
		6E 71 01 FE 8E 70 50 ES	0006 194 0008 195 0008 196 0000 197 0000 198 00000 200 0000 201 0000 201 0000 203 0000 203 00000 203 0000 203 0000 203 0000 203 0000 203 0000 203 0000 203 00000 203 0000 203 00000 203 0000 203 0000 203 0000 203 0000 203 0000 203 0000 203 00000 203 0000 20	; BUILD ARGUMENT LIST ON STACK PUSHAQ (SP) CALLS #1,LIB\$CVT_DECBIN ; CONVERT TO BINARY CLRQ (SP)+ ; REMOVE DESCRIPTOR BLBC R0,70\$; CONVERSION ERROR
		51 DI	00F0 211 50 00 00F0 212 00F2 213 04 00FB 214	O\$: ; SUCCESS RETURN (WITH CLOSE). VALUE IS IN R1 PUSHL R1 ; SAVE R1 ACROSS CLOSE \$CLOSE FAB=(R7) ; CLOSE FILE POPR #^M <r1> ; RESTORE R1</r1>
		8F D6 6C D7 16 18 51 96	0 00FD 217 01 0104 218 B 0107 219 0 0109 220 1 010D 221	O\$: ; SUCCESS RETURN (WITHOUT CLOSE). VALUE IS IN R1. MOVL #CLI\$ NORMAL,RO ; INDICATE SUCCESS CMPL (AP),#1 ; STORE IN MEMORY IF MORE THAN ONE ARG BLEQU 90\$; DON'T STORE MOVB R1,88(AP) ; STORE BRB 90\$
			010F 222 010F 223 70 010F 224	OS: ; FAILURE RETURN (WITH CLOSE) ; CLOSE FILE ; CLOSE FILE
	50 00038832	BF DO		O\$: ; FAILURE RETURN (WITHOUT CLOSE) MOVL #CLI\$_VALCNVERR,RO ; INDICATE CONVERSION ERROR
		04	0 0118 227 011F 228 4 011F 229 90 0120 230 0120 231 0120 232 0120 233	O\$: RET
			0120 232 0120 233	.END

(3)

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CNVCLIFRM
                                                   - CONVERT COMMAND INPUT FORMS TYPE
                                                                                                                   15-SEP-1984 23:38:19 VAX/VMS Macro V04-00 
4-SEP-1984 23:15:15 [CLIUTL.SRC]CNVCLIFRM.MAR;1
                                                                                                                                                                                                          (3)
 Symbol table
                                                = 00000001
= 00000067
0000001A R
SS.TMP1
$$.TMP2
                                                                            02
 CFILNAM
 CHR$GETOKEN
                                                     *******
CLIS_NORMAL
CLIS_VALCHVERR
CONVERT
                                                 = 00030001
                                                 = 00038832
00000041 R
                                                                            02
FABSB_BLN
FABSB_FAC
FABSB_FNS
FABSC_BID
FABSC_BLN
FABSL_FNA
FABSM_GET
FFILNAM
                                                 = 00000000
                                                 = 00000001
                                                02020
LIB$CNVCLIFORMS
LIBSCNVCLIFORMS
LIBSCNVCLIQCHAR
LIBSCVT_DECBIN
RABSB_BID
RABSB_BID
RABSB_BLN
RABSC_BID
RABSC_BID
RABSC_BLN
RABSC_SEQ
RABSL_FAB
RABSL_UBF
RABSW_RSZ
RABSW_USZ
RCBFSZ
SYSSCLOSE
                                                    ******
                                                00000087
                                                                           02
02
02
02
02
SYS$CLOSE
                                                    *******
SYS$CONNECT
                                                    *******
                                                                   GX
SYS$GET
                                                    *******
                                                                    GX
SYS$OPEN
                                                    ******
                                                                            +-----
                                                                              Psect synopsis
PSECT name
                                                   Allocation
                                                                                  PSECT No.
                                                                                                   Attributes
                                                                                 00 (
01 (
02 (
                                                   00000000
                                                                                           0.)
     ABS
                                                                          0.)
                                                                                                   NOPIC
                                                                                                               USR
                                                                                                                                                                                       NOVEC BYTE
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                                                                                                                                                 NOSHR NOEXE
$ABS$
                                                                                                   NOPIC
                                                   00000000
                                                                                                               USR
                                                                                                                         CON
                                                                                                                                  ABS
                                                                                                                                                                                       NOVEC BYTE
                                                                                                                                                 NOSHR
                                                                                                                                                                        RD
                                                                                                                                                                                 WRT
PURE_CLIUTL
                                                   00000120
                                                                       288.)
                                                                                                               USR
                                                                                                                                           LCL NOSHR
                                                                                                                                                                        RD
                                                                                                                                                                              NOWRT NOVEC BYTE
                                                                         Performance indicators
 Phase
                                        Page faults
                                                               CPU Time
                                                                                       Elapsed Time
                                                                                      00:00:00.64
00:00:06.07
00:00:19.86
00:00:02.49
00:00:03.70
00:00:00.05
                                                               00:00:00.07
00:00:00.81
00:00:05.06
00:00:00.50
00:00:01.04
00:00:00.05
                                                   16
109
200
 Initialization
 Command processing
 Pass 1
                                                    62
Symbol table sort
Pass 2
Symbol table output
```

The working set limit was 1200 pages.
26652 bytes (53 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 465 non-local and 9 local symbols.
233 source lines were read in Pass 1, producing 13 object records in Pass 2.
18 pages of virtual memory were used to define 16 macros.

Macro library statistics !

590 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$: CNVCLIFRM/OBJ=OBJ\$: CNVCLIFRM MSRC\$: CNVCLIFRM/UPDATE=(ENH\$: CNVCLIFRM) +EXECML\$/LIB+LIB\$: CLIUTL/LIB

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